

544085  
10/544085

Rec'd PCT/PTO 29 JUL 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
12 August 2004 (12.08.2004)

PCT

(10) International Publication Number  
WO 2004/067533 A1

(51) International Patent Classification<sup>7</sup>: C07D 487/22,  
C08G 61/12, H01L 31/18

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(21) International Application Number:  
PCT/AU2004/000111

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(22) International Filing Date: 30 January 2004 (30.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003900404 31 January 2003 (31.01.2003) AU

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

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(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-  
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: CONDUCTING POLYMERS WITH PORPHYRIN CROSS-LINKERS

(57) Abstract: The invention relates to a cross-linking monomer having the structure  $Q-(L)_n-P-(L')_m-Q'$ , where Q and Q' are poly-  
merisable units, L and L' are linkers providing direct or indirect electronic communication between Q and P and between P and Q',  
and P is an electrofunctional unit, and also to polymers prepared from such monomers. Q for example may be a heteroaromatic ring  
such as thiophene, furan and pyrrole. The electrofunctional group may be, for example, porphyrin, substituted porphyrin, phthaloc-  
yanine or substituted phthalocyanine. The invention also relates to an electrofunctional material including a base material and a  
cross-linked polymer such as described.

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